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Sample Date: 2024-04-22
Sample No.: 003-2404-1430647

To: Steffes Auctioneers
 24400 MN Hwy 22 South
 Litchfield, MN 55355

Account No.: 953 (0)
Sampled By: Steffes Auctioneers
Sampled For: STEFFES AUCTION

Product: 4181

Test Mode: N8
Feed Type: Hay - Legume
Sub Type: Alfalfa

Moisture	15.05%		
Dry Matter	84.95%		
		Dry Basis	90% Range*
Crude Protein	%DM	17.56	15.4 - 24.0
AD-ICP	%DM	1.36	1.08 - 2.13
ND-ICP w/SS	%DM	3.29	1.63 - 4.06
Protein Sol.	%CP	29.95	27.5 - 47.1
ADF	%DM	38.52	25.5 - 41.8
aNDF	%DM	49.57	31.9 - 51.8
aNDFom	%DM	48.19	29.3 - 48.5
Lignin (Sulfuric Acid)	%DM	7.72	5.84 - 9.64
Lignin	%NDFom	16.02	
NDFD 30	%NDFom	44.49	31.3 - 48.1
NDFD240	%NDFom	50.01	41.5 - 61.9
uNDFom30	%DM	26.75	16.5 - 29.5
uNDFom240	%DM	24.09	13.0 - 27.8
Starch	%DM	2.13	0.28 - 3.74
Fat (EE)	%DM	2.31	1.77 - 3.35
TFA (fat)	%DM	0.88	0.81 - 2.33
Ash	%DM	10.12	9.15 - 13.8
Calcium	%DM	1.39	1.19 - 1.84
Phosphorus	%DM	0.32	0.23 - 0.39
Magnesium	%DM	0.36	0.25 - 0.41
Potassium	%DM	1.70	1.83 - 3.36
Sulfur	%DM	0.23	0.17 - 0.33
Chloride	%DM	0.38	0.16 - 1.13
Sugar (ESC)	%DM	4.60	2.71 - 9.16
Sugar (WSC)	%DM	6.77	3.32 - 10.2

NDF kd rate MIR_P1	%/hr	7.47		
		ADF	OARDC	MLK 2013
TDN		58.89	55.21	56.16
Nel 3x	Mcal/cwt	60.20	56.03	56.72
Neg	Mcal/cwt	30.83	30.04	31.45
Nem	Mcal/cwt	56.60	55.74	57.27
Milk per ton	lbs/ton			2425

*Alfalfa hay statistics provided for comparison.

Calculations

Adjusted Crude Protein	%DM	17.56
NFC	%DM	25.54
NSC	%DM	8.90
RFV		110.48
RFQ		108.33
NDF kd rate Van Amb	%/hr	3.68